IP Kamera 9000

User Guide

User Guide

IP Kamera 9000
Manual version: 2.0
Date: FEB 20, 2004

Caution: Any changes or modifications not approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for FCC and CE. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in commercial environment.

Important Notice

1. IP Kamera 9000 is for indoor use. Note that the CMOS lens can be damaged permanently if the camera lense is exposed directly to sunlight. (We will not hold any responsibility if CMOS lens is damaged by sunlight)
2. IP Kamera 9000 us not water proof. Therefore we will not hold any damage responsibility if the camera is used under raining condition.
3. Be sure to use the DC adapter that is provided by your dealer. We will not hold any responsibly if wrong DC adapter is in use.
4. Be caution in handling IP Kamera 9000 for physical shocks may occur serious damage.
5. If IP Kamera 9000 does not operate properly, please contact your local dealer for after sale service. In all cases, you are prohibited to disassemble the product. If so, Aviosys does not hold any responsibility for mal-function nor service warranty.

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1. Product Overview

IP Kamera 9000 is an IP camera that has a digital web server in camera. This camera can put up live image on-line and make remote locations immediately accessible through standard web browsers.
IP Kamera 9000 is equipped with cutting edge technology, includes a digital camera, web server, and optimized hardware for image compression, and physical Ethernet connection. Therefore it does not need to plug in front of computer, users can simply just plug into an internet line and start oberserving from any where in the world.

FEATURES

IP Kamera 9000 features：

1. **Embedded Web Server - No need PC for camera.**
2. **Pass image to Displays - TV, PDP, HDTV. LCD TV**
3. **Multiple Cameras Supported**
4. **Multi - video from different area.**
5. **Layout 1x1, 2x2, 3x3, 4x4**
6. **Resolution - True 640x480, 352x288, 320x240, 176x144,**
7. **Video Quality - Low, High**
8. **Color adjustment: Brightness, Contrast, Hue, and Saturation**
9. **Motion Detection - Three-Sensitivity Level.**
10. **E-mail the Detected Images to preset e-Mail address.**
11. **FTP the Detected Images to preset FTP server.**
12. **Support Network - Fixed IP, DHCP or PPPoE.**
13. **Default HTTP Port supported-**
14. **Changed to fit different network.**
15. **Browser by Internet - IE & Netscape.**
16. **Support Java Applet support and Active X control.**
17. **A Linux based server**
    - 10/100BT LAN supported
    - Built in JPEG Decoder
    - Motion detection
    - User able to monitor any place if select this Web Cam by using any of Internet Browser.
    - User may setup his email address in the system, let the system notice the user when an event occur
    - Provide some GPIOs for different application

2. Physical Description

BOX CONTENT

IP Kamera package content：

- 1 x *IP Kamera 9000*

- 1 x ***Tripot***

- 1 x RJ 45 internet line

- 1 x DC adopter
- 1 x Composite Video cable
- 1 x CD (**a**. IP Editor program **b**. User Manual book)
- 1 x Quick Installation Guide

Minimum Requirement

- ≥300MHz Intel Pentium II and above
- Windows 98 / SE / 2000 / ME / XP, or LINUX, MAC system
- ≥64MB memory
- VGA Card：support Hi - Colors and above and direct draw
- Internet card - RJ 45 +CAT 5
- Internet Hub
- Internet ：one set of IP provided by your ISP

  EX: xxx.xxx.xxx.xxx

3. Panel Description

Front Panel :

1. Power indicator (blue LED)
2. Lens (CMOS)

Back Panel : from left to right:

1. Reset Button
2. DC Power - 5V
3. On / Off
4. RJ 45
5. Video Out – composite

4. Installation

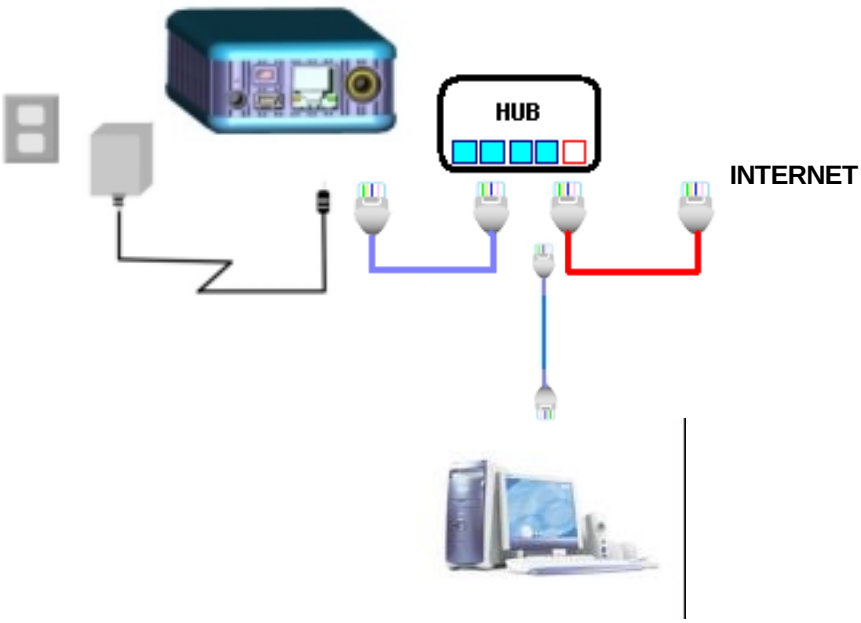
Before using IP Kamera 9000, follow bellow:

Before installation:

- Reconfirm your package content
- A Hub
- Electricity 110 ~ 240 V

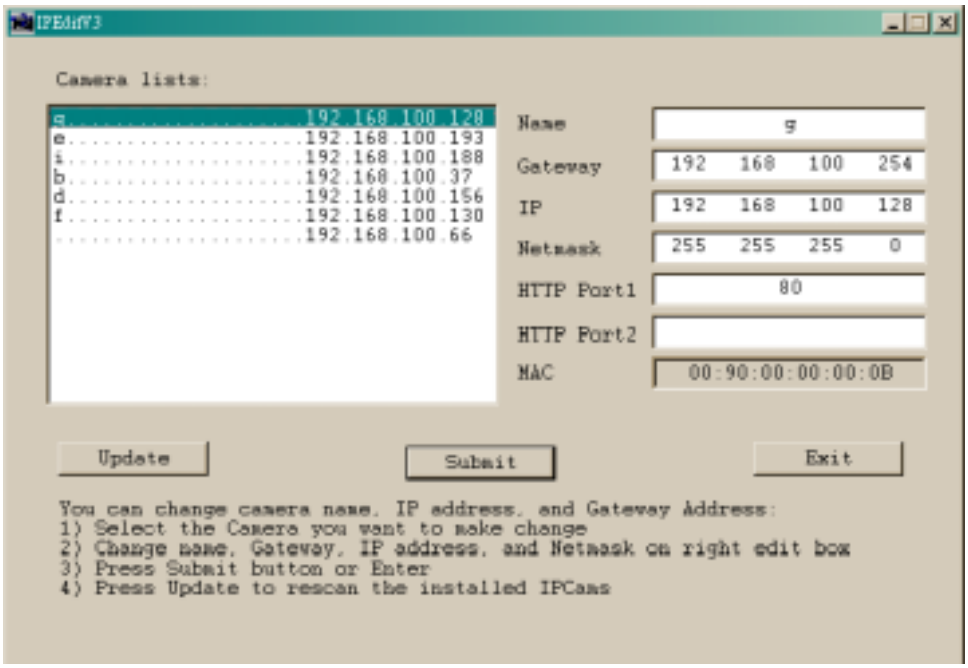
Hardware installation

1. Plug in IP Kamera 9000 (Power)
2. Plug in RJ 45 line to a HUB
3. Connect the other way to the computer
4. Connect your Hub into your modem
5. Turn you computer on



SOFTWARE INSTALLER

After connecting your power and RJ 45 line, please use IPEDIT program that provided by Aviosys to find IP KAMERA 9000's address.



NAME： IP KAMERA
GETEWAY：
IP： IP address now
NETMASK：
HTTP PORT1：sending address
HTTP PORT2：sending address

Set up : Step by step

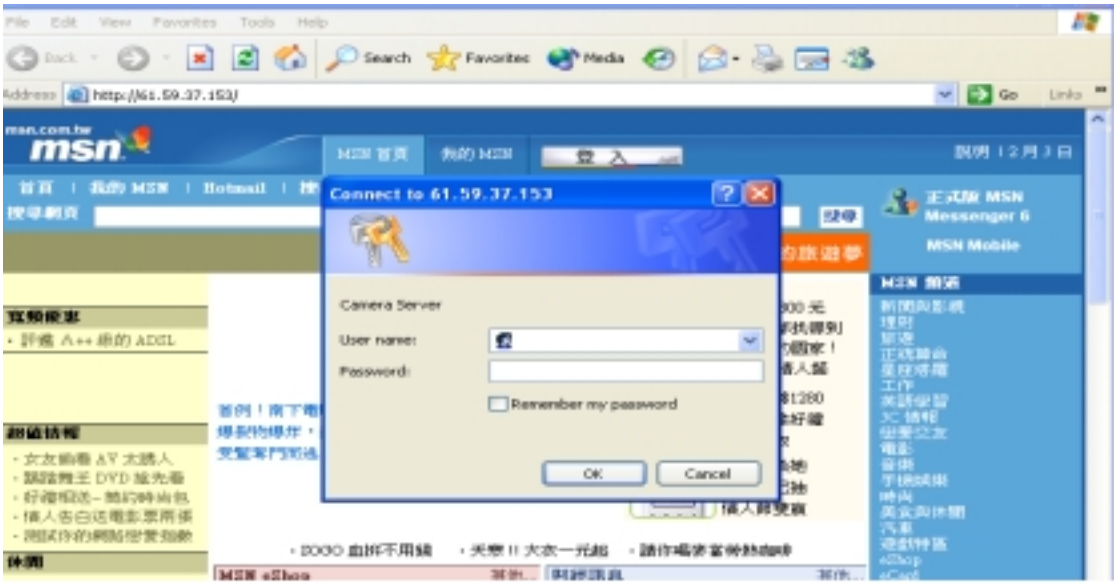
1st step: In IE (Internet Explorer) / Nescape's IP EDIT IP please type your IP: **XXX.XXX.XXX.XXX**

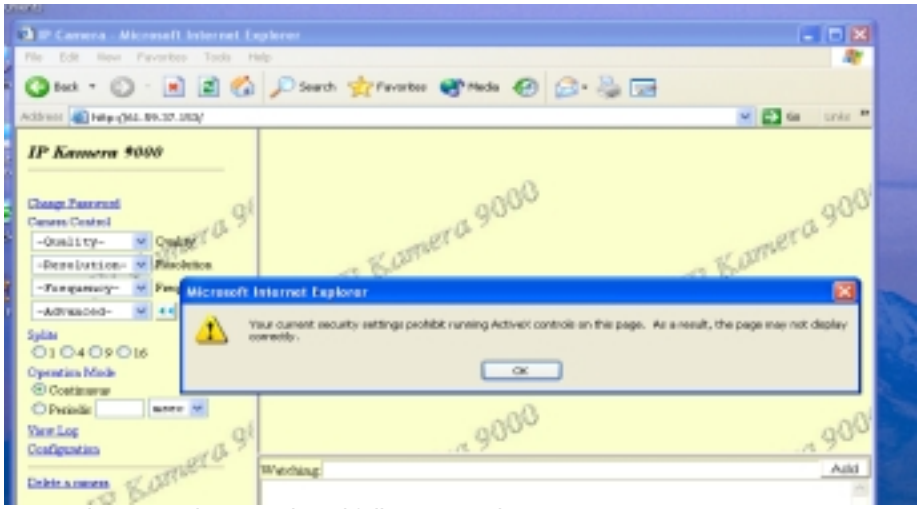
Factory setting default.

Username: administrator

Password : 1234

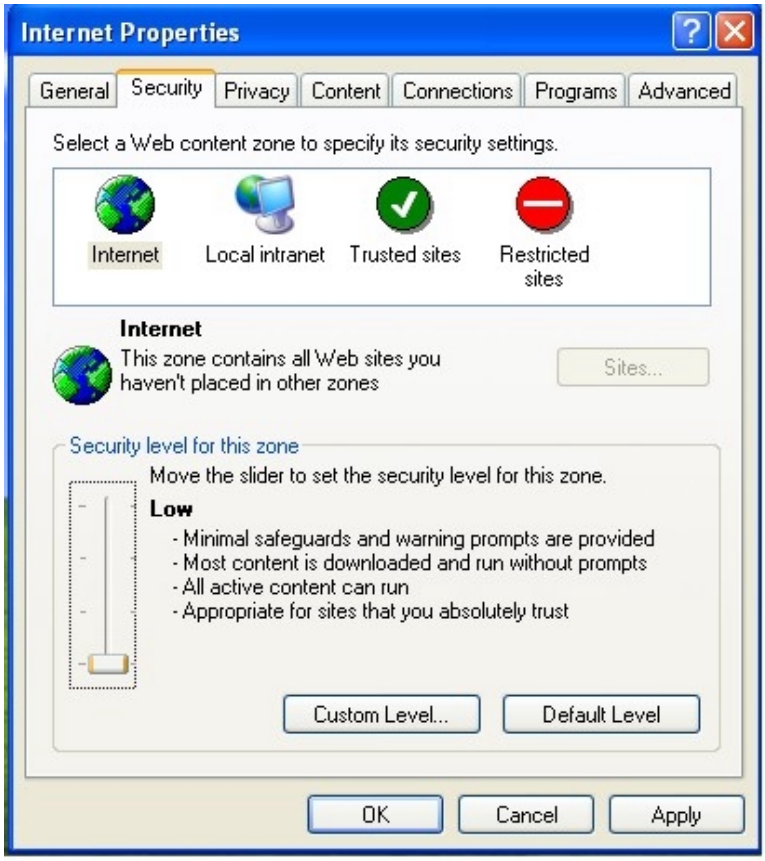
then you can find IP Kamera 9000's web page.



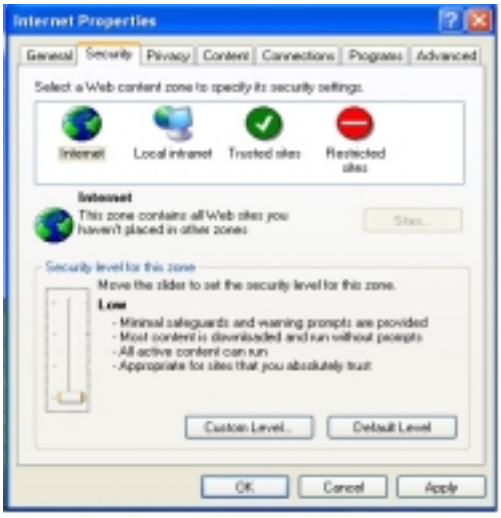


***** Security protection warning (follow step 2)

2th step： tools > internet option > security > default level > select **Low**



3rd step Switch default level to "**low**" then you will be able to see" IP Kamera 9000" in your own eye.



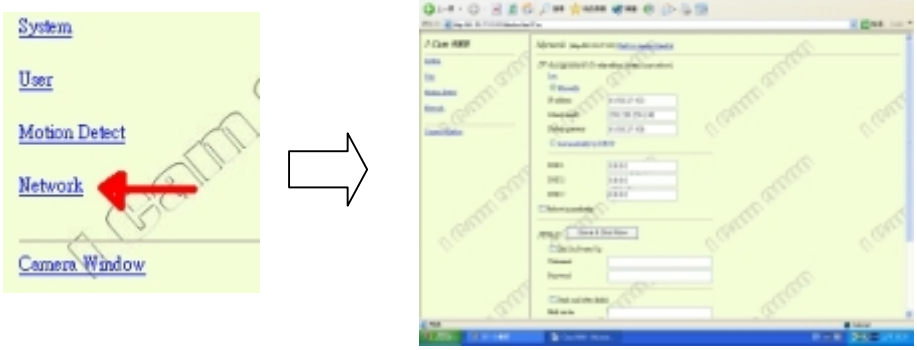
4th step Switch your security default level back to medium or higher, after you are able to view your picture. tool > internet option > security > default level > select **medium**

5th step Switch your security default level back to medium or higher, after you are able to view your picture. tool > internet option > security > default level > select **medium**

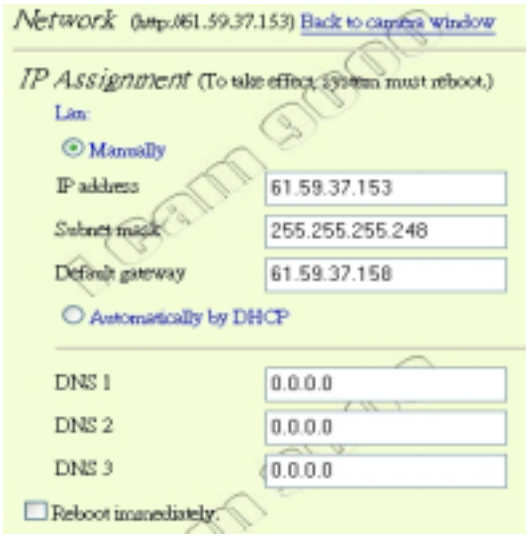
Security level for this zone
Move the slider to set the security level for this zone.
Medium
- Safe browsing and still functional
- Prompts before downloading potentially unsafe content
- Unsigned ActiveX controls will not be downloaded
- Appropriate for most Internet sites
Custom Level...
Default Level

5. Network Set up

From our Network set up, users can view live video from any where in the world, with just a computer.
Click on Network set up: this area is authorized by administrator only.



1. Still IP : Provided by ISP, with this IP you can connect this address from any where in the world.



1-1 : Using Still IP: list your still IP address
1-2 : Choose “Reboot immediately”. Please close your browser and reboot again and type in your IP address once again.

If using DHCP, please choose‘ Automatically by DHCP”

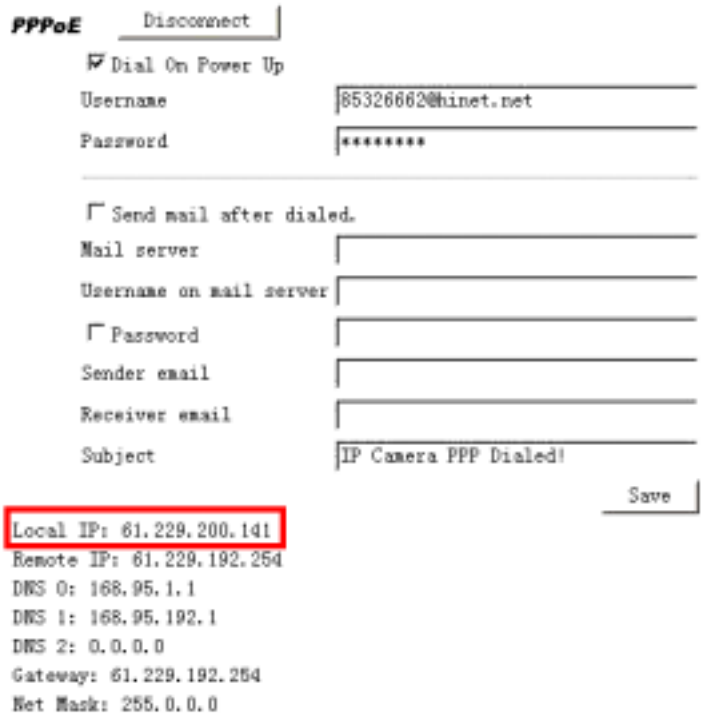
*And please use IP EDITOR program (Find users exact IP) that’s included in the CD ROM

2. DHCP setup- ADSL / xDSL: ISP will provide your exact IP address, please enter your Username and password for your provider.

2-1 Enter your user name, password, mail server, mail name (pass word), sender e-mail, receiver e-mail.

2-2 Choose Save & Dial Now, by using PPPoE it can automatically dial to your ISP, and ISP will provide exact IP address in your mail.

2-3 turn off your browser of IP Kamera 9000 and restart



6. Functions

Please refer to all the function on the left side of IP Kamera 9000 AP, most of its configuration can only be use by Administrator.

Functions:

-IP address

Change Password

Camera Control:

Picture (Quality) - Low, High

(Resolution) - 640*480, 352*288, 320*240, 176*144

Image (Split) - 1x1, 2x2, 4x4, and 9x9.

Note – split image are focus into a single image.

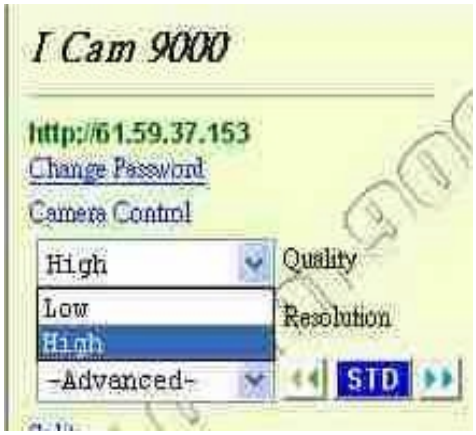
(Operation Mode):

- Continues mode
- Period – refresh 1 - 60 second
- View Log : check on visitors IP

Configuration:

System, User, Motion detection, Network

1.Picture Quality: Low , High

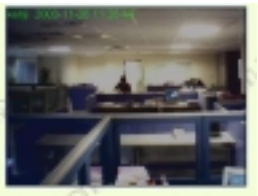
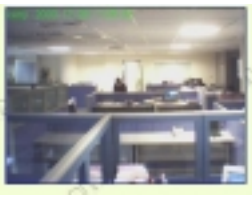
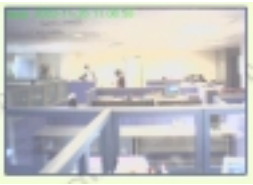


2.Resolution set up

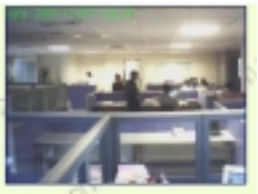
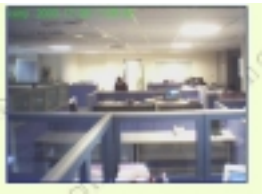
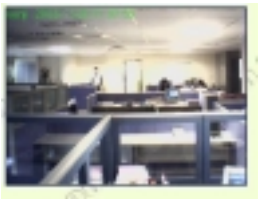
3.Color: contrast, Sharpness, Hue,
Brightness, Saturation
STD –Setup

3-1 Brightness

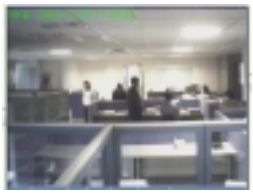
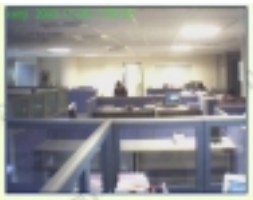
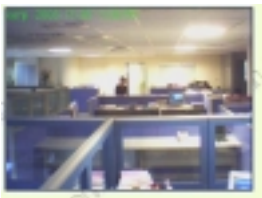
Dark Default STD Bright

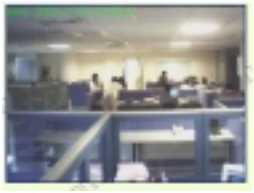
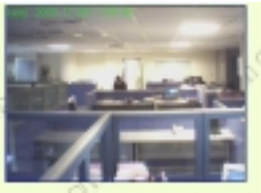
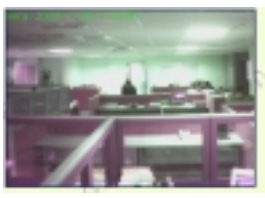
3-2 contrast

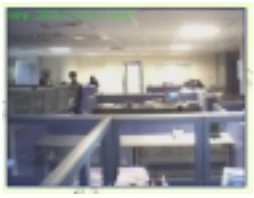
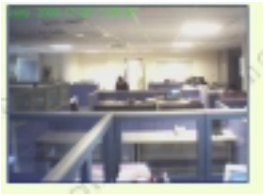
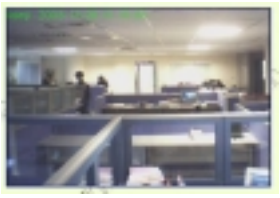
3-3 Saturation

3-4 Hue

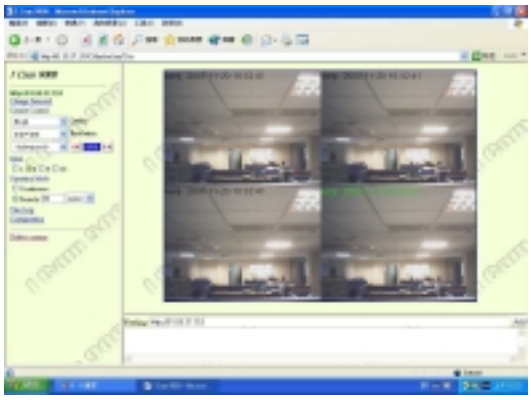




3-5 Sharpness

4. Splits - 4, 9, 16

4-1: 4

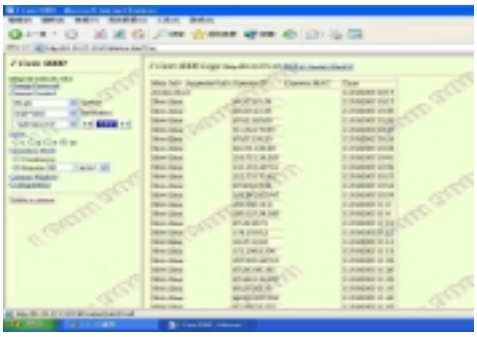


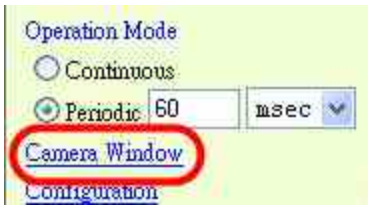
4-2: 9

4-3:16

5. View Log – view which IP has been visiting your Live image

Note: View/Log / Camera Window





1. Configuration:

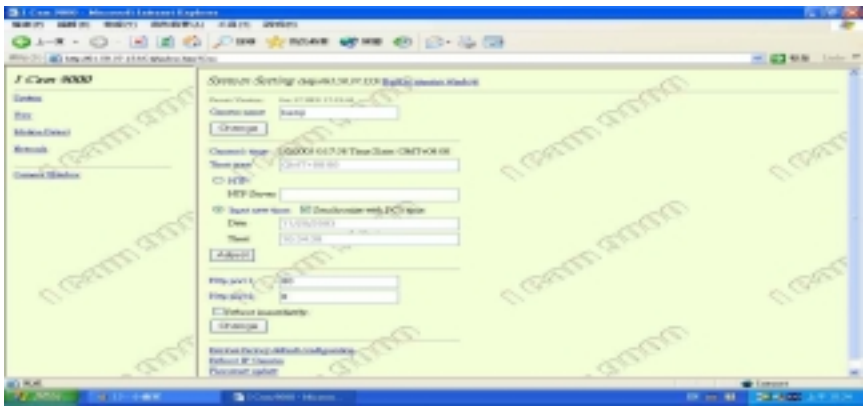
   System

   User

   Motion Detection

   Network

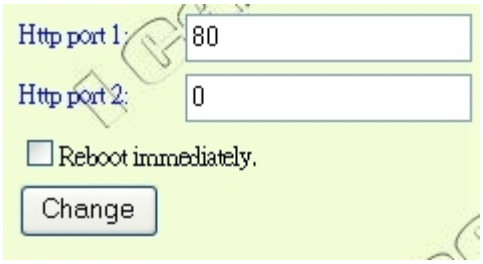
6-1 System Set up



6-1-1 : Camera name, time and date setup

Note: maximum 18 English characyters

6-1--2 : Setup



6-1-3 : Reset:
6-1-4 : Restart IP Kamera 9000
6-1-5 : Renew its position

User Management:
Can choose user authorization require optional

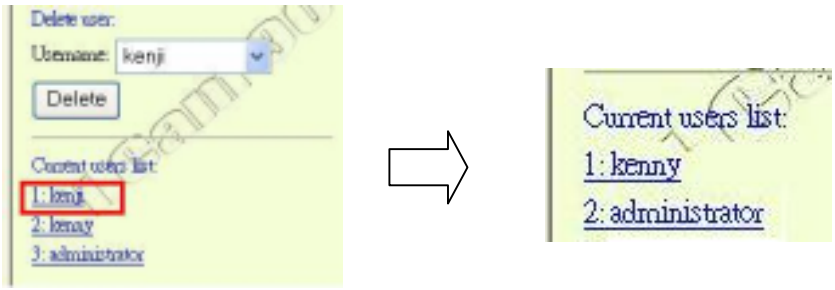
6-2 - can choose if viewers needs a password or not.

Yes - Viewers needs a password

No - Open to all viewer who logs in to users IP

6-2-2: Add user by adding a username and a password and you can add a current users list.

6-2-3: You can also delete a user by selecting its name and press delete.



6-3: Motion detection: when motion detection is triggered, it will automatically send video or image to user E-mail or FTP site.

6-3-1: Choose motion detection:

Disable -

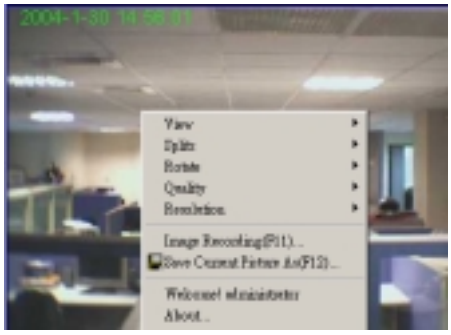
Enable: choose – low / mid / high

6-3-1-1: Motion Detection Setup:

Fill in sender mail and receiver mail.

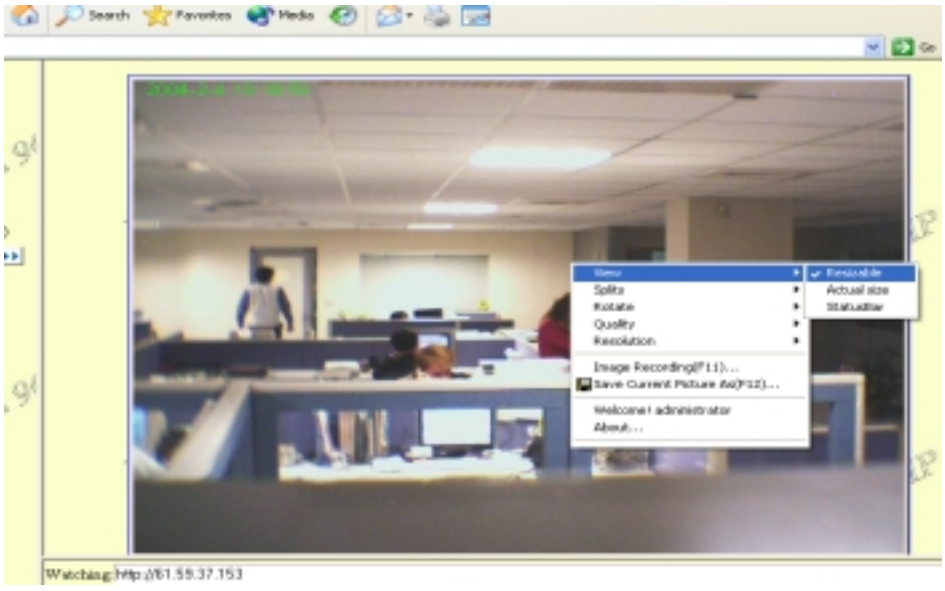
6-3-1-2: When send to FTP, please fill in its FTP server address, user name, password, account and upload path, and click on Upload images when motion detected.

7. When right click mouse , it can also use :
   - View
   - Splits
   - Rotate
   - Resolution
   - Image Recording
   - Save picture



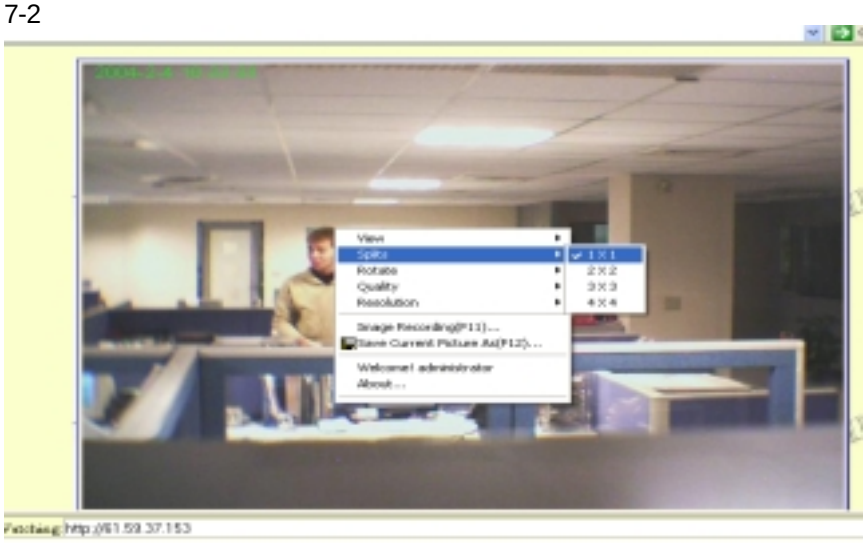
7-1 **View**
- Resizable : adjust screen size.
- Actual size : default to original size.
- Status Bar : show ip address, and screen size.

7-1



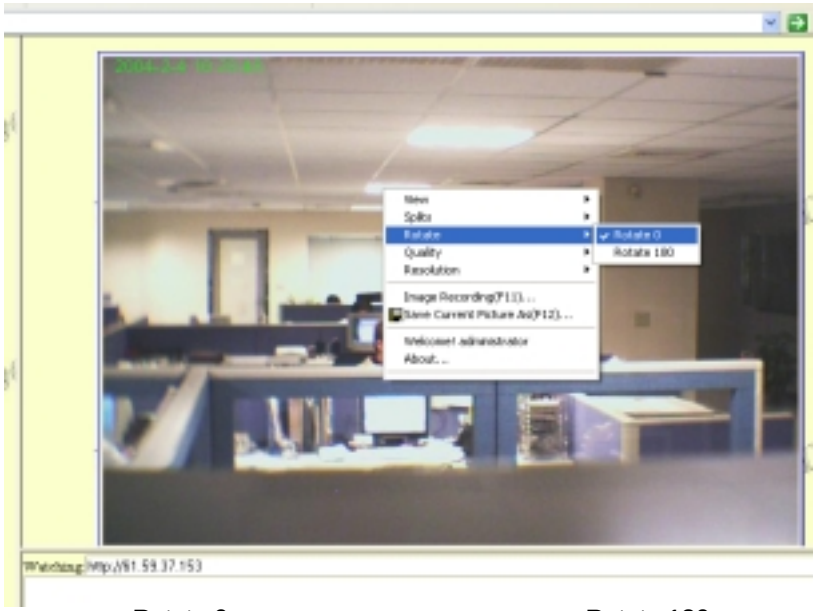
7-2 **Splite**
- 1x1, 2x2, 3x3, 4x4

7-2

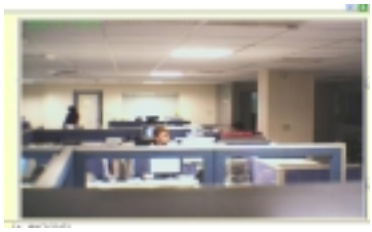


7-3 **Rotate**
- Rotate 0
- Rotate 180

7-3



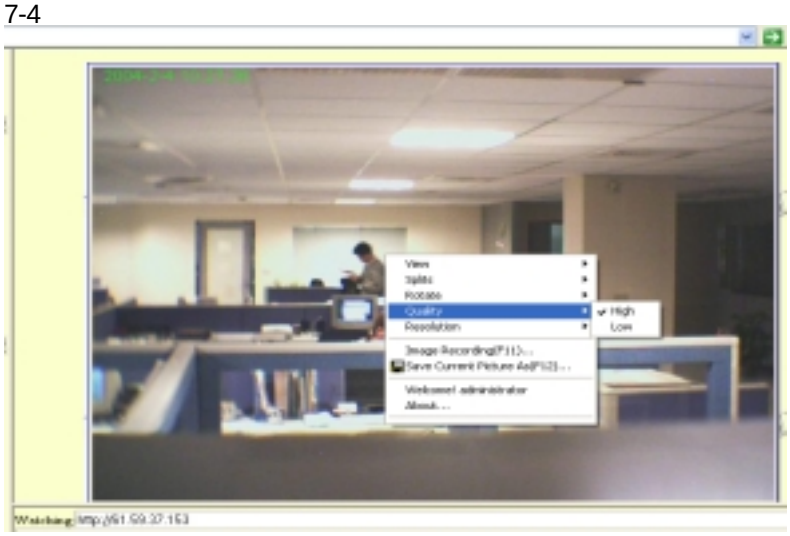
Rotate 0



Rotate 180

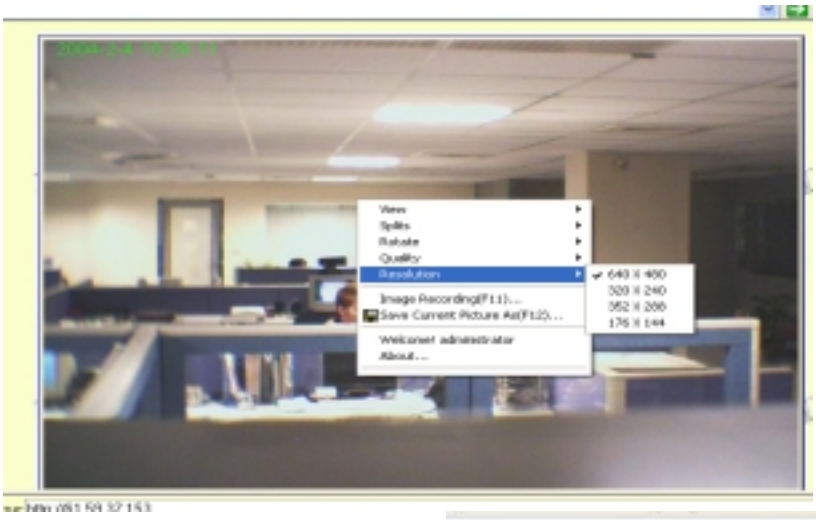
7-4 **Quality**
- High
- Low

7-4



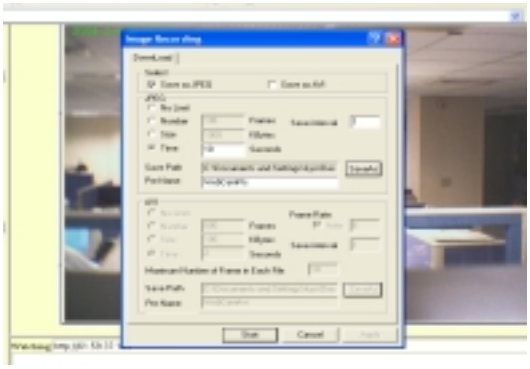
7-5 **Resolutioin**
- 640x480, 320X240, 352X288, 176X144

7-5



7-5 **Image Recording**
- Record Images to JPEG and AVI file. Both files can be recorded in the same time.

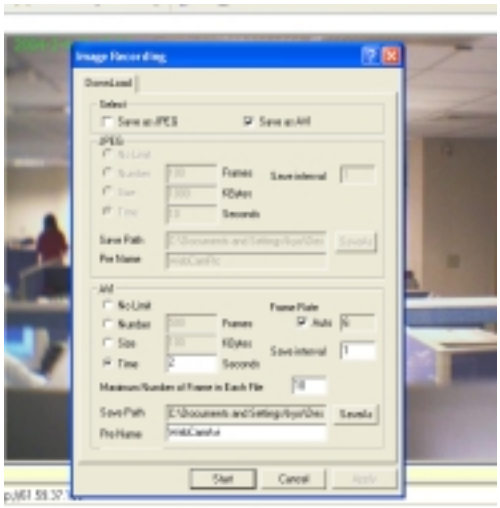
JPEG : can select how many pictures taken. And time frame.



7-5-1 **Recording AVI**

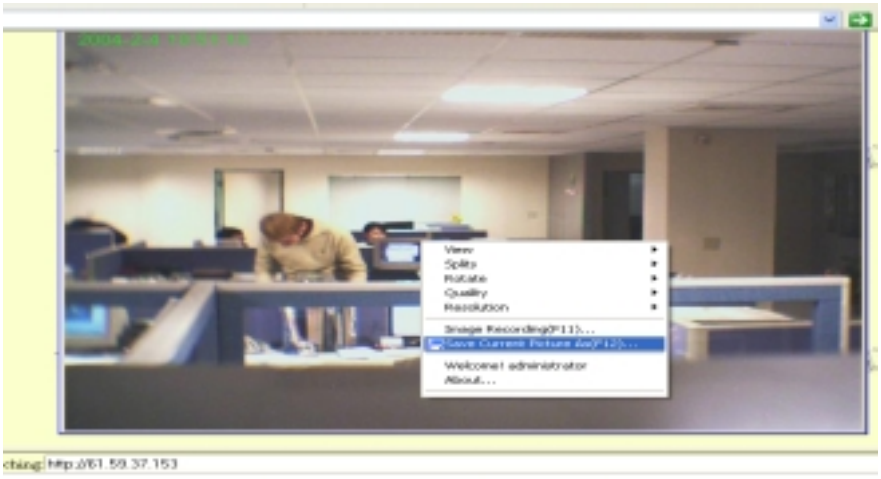
- Select save as AVI, then select the maximum number of frame in each file.

Note: If select No limit, it will continue recording until it used up all memory space.



7-6 **Save current picture as**

- Take a snap shot on current images showed on IP Kamera AP.



7. Other Functions

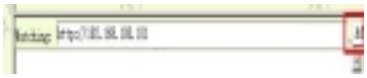
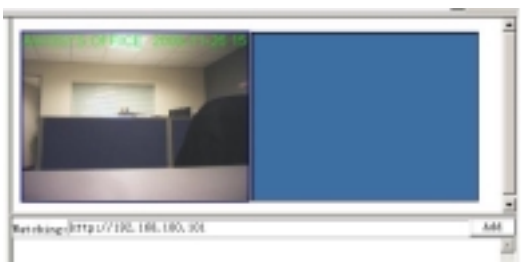
1. IP Kamera 9000 can view 9 different IP at the same time.

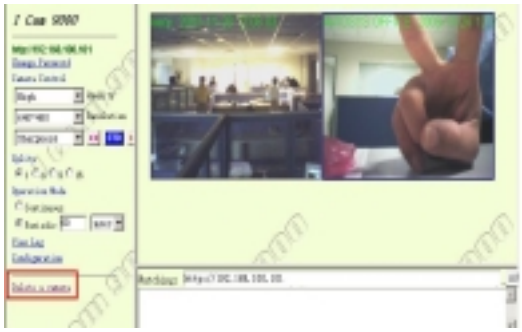
8. Authorization

In IP Kamera 9000 factory set up : factory setting
Username : administrator
Password : 1234
*Is recommended to change its factory setting password and user name
1. Administrator:

Change Password:
Camera Control:
(Quality) - Low, High, Advance
(Resolution) - 640*480, 352*288, 320*240, 176*144
(Split) - 1x1, 2x2, 4x4, and 8x8
(Operation Mode):
Continues
Period : 1-60 sec
View Log: view visitor IP
Configuration:
System, User, Motion detection, Network

<table>
<tr>
<td>1-1 Adding camera
Please add in a different IP in “ Watching and press enter”

Note1: please type in http:// before your IP.
Note2: when selecting different views, it will show different IP addresses in Watching.</td>
<td>A. Add in another IP address
 </td>
</tr>
<tr>
<td>B. Press AD”
  </td>
<td>C. Another view open up
  </td>
</tr>
</table>

1-2 When cancel camera, please select the camera you want to delete and select “Delete Camera	

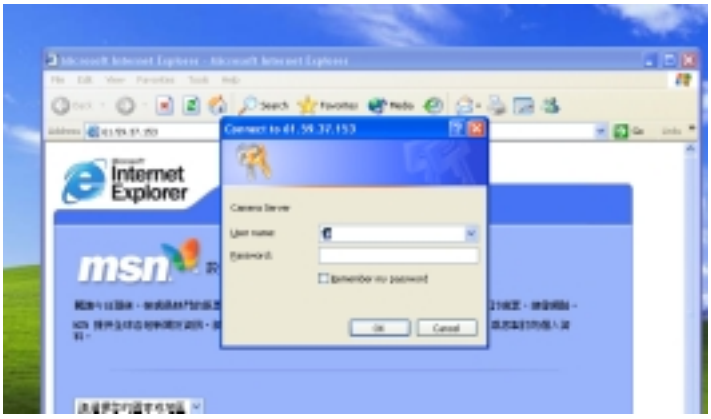
2. Visitor Authorization:

Change its own passward

View log: check other visitors IP address

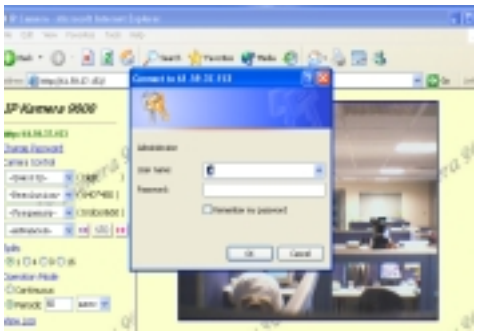
Add ／ delete camera

2-1 USER:
- When non-administrator entered ip addresses to view its AP, it will ask for a user ID and PASSWORD.

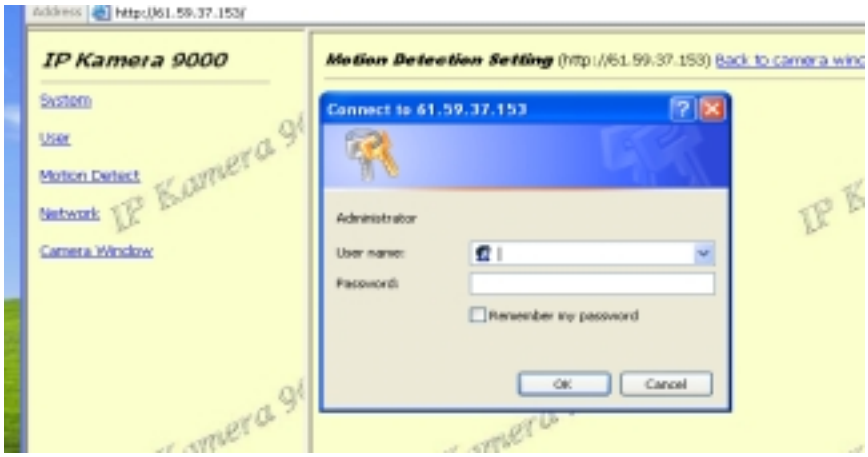


2-2
- Users entered IP Kamera 9000’s AP, it will automatically request for Administrator’s Password. If user or other visitors don’t have the rights to use Administrator authorization password, press, “CANCEL” to ignore the inquiry.

Note : IP Kamera AP confirming Administrator



2-3
- Non administrator enter “system, user, motion detect, and net work” which are under configuration mode, are require to enter administrator name and password to adjust these functions.



9. Caution

FAQ

Q 1 : I forgot the ID and password for the administrator account, so I cannot log into the Administration Page.

A : Make sure IP Kamera 9000 is powered on and press the “reset” button behind IP Kamera 9000 for at least 10 seconds, to help default camera setting to factory setting.

*Note : Factory Administrator ID and Password
ID: administrator
Password : 1234

Q 2 : The Web Kamera does not launch?

A : Upgrade Internet Explorer to 5.0 or higher version.
Sometimes the web camera base cannot bring 'index.html' from the web Camera when the Internet Explorer version is under 4.0. And remember to adjust internet default level to low when launching IP Camera’s AP for the first time.

Q 3 : The Image recording can not stop immediately?

A : If your IP is virtual IP, than it will not be happened. If your IP is true IP (EX: PPPoE or FIX IP….),than it might be happened. You need to wait for a second and it will be return to normal.